

WHO SHOULD ATTEND?

Extrusion is one of the most versatile process technologies and encompasses a wide range of disciplines. Although more than a century old, the technology is still in the centre of many innovative developments.

The lecturers come from industry and universities alike and the program does encompass an academic and a practical session.

The two days program covers a multitude of aspects of twin screw extrusion, hosted by the Life Technologies Institute of HES-SO Valais.

This workshop is destined for both researchers and product developers in the life science industry. Also marketers and innovation managers in search for new ideas will benefit from participation to this workshop



INFORMATION

PLACE > UNIVERSITY OF APPLIED SCIENCES
WESTERN SWITZERLAND

Institute of Life Technologies,
"Food Process Engineering"
Route du Rawyl 64
1950 Sion, Switzerland

DATE > 17 / 18 November 2010

EDITORS / CONTACT > Michael Beyrer, Dimitri Bocquel

MODERATOR Jean-Antoine Meiners

LANGUAGE > English

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NOVEMBER 17, 2010

- 8.00 Registration
- 8.30 Welcome words by Dr. Jean-Claude Villettaz –
Head Institute Life Technologies, HES-SO Valais, CH
- 8.40 Twin screw extrusion as a complex thermal-mechanical process:
State of the art – Michael Beyrer, HES-SO Valais, CH
- 9.20 Biophysical and chemical characterization of structure forming materials
based on starch and commonly used in extrusion processes –
Beatrice Conde-Petit, Bühler Group, CH
- 10.00 Coffee
- 10.30 Scaling of extrusion processes: From lab-scale to production –
Michael Thummert, Leistriz, D
- 11.10 Residence time distribution in preconditioning and extrusion processing –
Jean-Marie Bouvier, Clextral, F
- 12.00 Lunch
- 13.30 Challenges and solutions in extrusion process monitoring and control –
Christopher Rubin, Bühler Group, CH
- 14.10 Principles and modelling of twin screw reactive extrusion. Application to
starch cationization – Bruno Vergnes, MINES ParisTech, F et Françoise
Berzin – Université de Reims-Champagne Ardenne, F
- 14.40 Formulation of flavours by extrusion processes – NN, Bell, D
- 15.00 Coffee
- 15.30 Characterization of extrudat in Petfood processes –
Loïc Bramouille & Jean-Marie Bouvier, SPF Diana & Clextral, F
- 16.00 Extraction of bioactive substances from plant tissue by extrusion –
Alain-François Grogg, HES-SO Valais, CH
- 19.30 Conference dinner at the Château Mercier (Sierre)

NOVEMBER 18, 2010

- 8.30 Rheological behavior of starch melts, the influence on heat transfer and
thermal history – Erich Windhab, ETH Zürich, CH
- 9.10 Optimization of extrusion processes with software simulation –
Philippe David, Sciences Computers Consultants SCC, F
- 9.50 Coffee and transfer to the Life Technologies dpt
- 10.30 Various themes: Clextral BC21, Simulation with Ludovic software, Lab extruder,
Leistriz extruder Nano16
- 12.30 Lunch
- 14.00 High Speed Extrusion, properties of extruded products – NN, Universität Karlsruhe, D
- 14.40 Behaviour of Ochratoxin-A during extrusion processes –
Rudolf Schmitt, HES-SO Valais, CH
- 15.00 Coffee
- 15.30 History and future of bioplastics – Remy Jongboom, ROJ Jongboom, NL
- 16.00 Extruded Products a variety of industrial applications and future developments –
Christopher Rubin, Bühler Group, CH
- 16.20 End of venue

Hes-SO VALAIS
WALLIS

Haute Ecole Spécialisée
de Suisse occidentale

Fachhochschule Westschweiz
University of Applied Sciences
Western Switzerland

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FEES > Registration fees include access to conferences, documents, coffee breaks, lunches and conference dinner.

- > Industrial 1100.- €
- > Academic 700.- €
- > Student 400.- €

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WORKSHOP

TWIN SCREW EXTRUSION PROCESS



BUHLER

CLETRAL

Leistritz

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